

MIT AND LINCOLN LABORATORY
THESES

ARCHIVES COLLECTION #4

MIT and Lincoln Laboratory Theses
Massachusetts Institute Of Technology
 Servomechanisms Laboratory
 Digital Computer Laboratory
Lincoln Laboratory

Archives Collection No. 4

Donor: Division VI Document Room
Restriction: MITRE Personnel

Contracts: N5 ori-60
 AF 28(099)-45
 AF 19(122)-458
 AF 33(600)-37882

Collection Dates: 1945 - 1958

The Theses in this collection were written by Servomechanisms Laboratory, Digital Computer Laboratory, and Lincoln Laboratory personnel. Wherever a computation book is available, it is listed as a reference after each thesis.

AC 4 was microfiched in May 1974. Only the theses were filmed. All preliminary materials and the hard copies of the theses were destroyed after being microfiched.

August 1963

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Ackley, John Nelson	Bachelor Of Science Thesis - MIT	1955	Automatic Trouble Location In Digital Computer Systems	J.N. Ackley, Student Associate, Lincoln Lab. Group 64	U	
	Master Of Science Thesis - MIT	1956	A Magnetic-Core Test Storage	J.N. Ackley, Lincoln Lab.	U	
Adams, Charles William	Master Of Science Thesis - MIT	1949	Intact Stability Study Programmed For A Digital Computer References: M-221, "Biweekly Report, Part II" - dated January 23, 1948 (AC-6) C.W. Adams Computation Book #2 (AC-3)	C.W. Adams, Servomechanisms Lab.	U	
Alperin, Norman Noel	Master Of Science Thesis - MIT	1956	Superconductors As Non-Linear Circuit Elements	N.N. Alperin, Lincoln Lab. Group 64	U	
Aronson, Donald D.	Master Of Science Thesis - MIT	1952	On The Numerical Solution Of The Prob- lem Of Cauchy For The Linear Hyperbolic Partial Differential Equation In Char- acteristic Coordinates	D.G. Aronson, Digital Computer Lab.	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Bagley, Philip Rutherford	Master Of Science Thesis - MIT	1951	Electronic Digital Machines For High- Speed Information Searching	P.R. Bagley, Thesis Student, Servomechanisms Lab.	U	
	M-1138	18 Dec 50	Master's Thesis Proposal - Use Of Elec- tronic Digital Computers For Informa- tion	P.R. Bagley	U	
	M-1163	Feb 51	Report #1 - Progress Report For January 4, 1951 To February 6, 1951	P.R. Bagley	U	
Baltzer, Philip K.	Master Of Science Thesis - MIT	1955	Magnetostriction In Ferrites Possessing A Square Hysteresis Loop	P.K. Baltzer, Lincoln Lab. Group 63	U	
	M-3035	20 Sep 54	Master's Thesis Proposal - An Investi- gation Of Some Parameters Which Influ- ence The Magnetic Characteristics Of Ferrites	P.K. Baltzer	U	
Bensky, Lowell Sumner	Master Of Science Thesis - MIT	1951	Prediction Of Atmospheric Turbulence	L.S. Bensky, Thesis Student, Servomechanisms Lab.	U	
	M-1164	1 Feb 51	Master's Thesis Proposal - The Predic- tion Of Atmospheric Turbulence Using Whirlwind	L.S. Bensky	U	
	M-1187	Mar 51	Report #1 - Progress Report For Period February 20, 1951 To March 20, 1951	L.S. Bensky	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Best, Richard L.	Master Of Science Thesis - MIT	1951	A Direct-Coupled Amplifier For Magnetically Deflecting An Oscillograph Tube	R.L. Best, Servomechanisms Lab.	U	
	M-1129	20 Nov 50	Master's Thesis Proposal	R.L. Best	U	
Blumenthal, Edwin I.	Master Of Science Thesis - MIT	1948	A Trouble-Location For A Digital Electronic Computer	E.I. Blumenthal, G.G. Hoberg, Servomechanisms Lab. Group 6345	U	
	M-675	6 Jan 48	Master's Thesis Proposal	E.I. Blumenthal G.G. Hoberg	U	
		26 Jan 48	Master's Thesis Proposal	E.I. Blumenthal G.G. Hoberg	U	
	M-628	Mar 48	Report #1 - Progress Report For Period 9 February To 2 March 1948	E.I. Blumenthal	U	
	M-305	Mar 48	Report #2 - Progress Report For Period 2 March To 18 March 1948	E.I. Blumenthal	U	
	M-335	Apr 48	Report #3 - Progress Report For Period 18 March To 5 April 1948	E.I. Blumenthal	U	
	M-627	Mar 48	Report #1 - Progress Report For Period 9 February To 2 March 1948	G.G. Hoberg	U	
	M-336	Apr 48	Report #2 - Progress Report For Period 18 March To 5 April 1948	G.G. Hoberg	U	
			References: E.I. Blumenthal Computation Book #4 (AC-3) G.G. Hoberg Computation Book #2 (AC-3)			

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Bradspies, Sydney	Master Of Science Thesis - MIT	1955	A Magnetic-Core Memory With External Selection	S. Bradspies, Lincoln Lab. Group 62	U	
	M-2762	6 Apr 54	Master's Thesis Proposal	S. Bradspies	U	
Brown, David R.	Master Of Science Thesis - MIT	1947	A High-Speed Multi-Position Electronic Switch	D.R. Brown Servomechanisms Lab. Group 6345	U	
		9 Dec 46	Master's Thesis Research Proposal	D.R. Brown	U	
Buck, Dudley Allen	M-1335	23 Nov 51	Master's Thesis Proposal - An Investi- gation Of Ferroelectrics For Digital Information Storage	D.A. Buck Digital Computer Lab.	U	
	M-1376	Jan 52	Report #1 - Progress Report For Period 23 November 1951 To 15 January 1952	D.A. Buck	U	
	M-1450	Apr 52	Report #2 - Progress Report For Period 15 January To 7 April 1952	D.A. Buck	U	
	R-212 (Reissue Of Master Of Science Thesis - MIT)	5 Jun 52	Ferroelectrics For Digital Information Storage And Switching	D.A. Buck	U	
	Doctor Of Science Thesis - MIT	1958	Superconductive Electronic Components	D.A. Buck	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Buzzard, Robert Douglas	Master Of Science Thesis - MIT	1957	Design And Analysis Of An Adaptive System	R.D. Buzzard, Lincoln Lab. Group 64	U	
Campling, Charles R.	Master Of Science Thesis - MIT	1948	Coupling Circuits For A Storage-Tube Output-System	C.R. Campling, Servomechanisms Lab.	U	
	M-565	17 Feb 48	Master's Thesis Proposal - Storage-Tube Output-System	C.R. Campling	U	
	M-289	Mar 48	Report #1 - Progress Report For Period 17 February To 13 March 1948	C.R. Campling	U	
	M-337	Apr 48	Report #2 - Progress Report For Period 15 March To 3 April 1948	C.R. Campling	U	
	M-367	Apr 48	Report #3 - Progress Report For Period 3 April To 17 April 1948	C.R. Campling	U	
	M-405	May 48	Report #4 - Progress Report For Period 19 April To 10 May 1948	C.R. Campling	U	
Cann, Alfred Jacob	Master Of Science Thesis - MIT	1953	An Output System For MIT Electrostatic Storage Tubes	A.J. Cann, Digital Computer Lab.	U	
	M-1755	15 Jan 53	Master's Thesis Proposal	A.J. Cann	U	
	M-1880	Mar 53	Report #1 - Progress Report For Period 9 February To 2 March 1953	A.J. Cann	U	
	M-1990	Apr 53	Report #2 - Progress Report For Period 2 March To 15 April 1953	A.J. Cann	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Christman, Thomas J., Lt., USN	M-912	20 Oct 49	Master's Thesis Proposal - Automatic Control Of Antisubmarine Warfare By Digital Computers	T.J. Christman	U	
	M-970	Jan 50	Report #1 - Progress Report For Period 20 October 1949 To 20 January 1950	T.J. Christman	*C	NN
	M-983	Feb 50	Report #2 - Progress Report For Period 7 February To 13 February 1950	T.J. Christman	*C	NN
	M-988	Feb 50	Report #3 - Progress Report For Period 14 February To 20 February 1950	T.J. Christman	U	
	M-994	Feb 50	Report #4 - Progress Report For Period 21 February To 27 February 1950	T.J. Christman	*C	NN
	M-1003	Mar 50	Report #5 - Progress Report For Period 28 February To 13 March 1950	T.J. Christman	*C	NN
	M-1009	Mar 50	Report #6 - Progress Report For Period 14 March To 20 March 1950	T.J. Christman	*C	NN
	M-1018	Apr 50	Report #7 - Progress Report For Period 21 March To 3 April 1950	T.J. Christman	*C	NN
	M-1023	Apr 50	Report #8 - Progress Report For Period 4 April To 10 April 1950	T.J. Christman	*C	NN
	M-1029	Apr 50	Report #9 - Progress Report For Period 11 April To 24 April 1950	T.J. Christman	*C	NN
	R-190 (Reissue Of Master Of Science Thesis - 1950)	17 Jul 50	Study Of Automatic Control By Digital Computers	T.J. Christman, Lt., Servomechanisms Lab. Associate	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Clementson, Gerhardt C. (Pilot- Engineer)	Master Of Science Thesis - MIT	1948	Investigation Of The Response Of An Aircraft To A Finite Pulse Input	G.C. Clementson	U	
Collier, Dana Monroe II	Master Of Science Thesis - MIT	1950	Life-Test, Deactivation, And Reactivation Studies Of Oxide-Coated Cathodes	D.M. Collier, Thesis Student, Servomechanisms Lab.	U	
	M-957	15 Nov 59	Master's Thesis Proposal - Investigation Of The Deactivation Decay And Reactivation Recovery Of Emission From Oxide-Coated Cathodes	D.M. Collier	U	
Combelic, Dom	Bachelor Of Science Thesis - MIT	1952	Calculation Of Deuteron Binding Energy As A Function Of Potential Well Shape (Full Automatic Solution Of A Boundary Value Problem On A High-Speed Digital Computer)	D. Combelic, Student, Digital Computer Lab.	U	
Cooper, Gerald	Master Of Science Thesis - MIT	1950	A Method Of Test Checking An Electronic Digital Computer	G. Cooper, Servomechanisms Lab.	U	
	M-892	25 Aug 49	Master's Thesis Research Proposal	G. Cooper	U	
	M-907	Oct 49	Report #1 - Progress Report For Period September 19, 1949 To October 10, 1949	G. Cooper	U	
	M-916	Oct 49	Report #2 - Progress Report For Period 10 October To 26 October 1949	G. Cooper	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Corderman, Charles L.	M-947	Nov 49	Report #3 - Progress Report For Period 27 October To 25 November 1949	G. Cooper	U	
	M-955	Dec 49	Report #4 - Progress Report For Period 26 November To 14 December 1949	G. Cooper	U	
	Master Of Science Thesis - MIT	1950	Mosaic Characteristics Of The MIT Storage Tube	C.L. Corderman, Servomechanisms Lab.	U	
	M-949	30 Aug 49	Master's Thesis Proposal - The Effect Of Mosaic Size Upon The Storage Stability And Capacity Of Electrostatic Storage Tubes	C.L. Corderman	U	
	M-956	Dec 49	Report #2 - Progress Report For Period 15 November To 15 December 1949	C.L. Corderman	U	
Craig, Edward Joseph	Doctor Of Science Thesis - MIT	1954	Iteration Procedures For Simultaneous Equations	E.J. Craig, Digital Computer Lab. Group 61	U	
	M-2123	12 May 53	Doctor's Thesis Proposal	E.J. Craig	U	
Crawford, David J.	Master Of Science Thesis - MIT	1947	A Decade Keyboard For A Binary Register Reference: D.J. Crawford Computation Book #1 (AC-3)	D.J. Crawford	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Davidson, George A.	Master Of Science Thesis - MIT 6M-3717	1956 27 Jun 55	A Transistor Selection System For A Magnetic-Core Memory Master's Thesis Proposal	G.A. Davidson, Lincoln Lab. Group 63 G.A. Davidson	U U	
DiNolfo, Richard S.	Master Of Science Thesis - MIT M-2634	1954 19 Jan 54	Multi-Coordinate Selection System For Magnetic-Core Storage Master's Thesis Proposal	R.S. DiNolfo, Lincoln Lab. Group 62 R.S. DiNolfo	U U	
Dintenfass, Jerome	Master Of Science Thesis - MIT M-2179	1953 21 May 53	An Investigation Of Coordinate Conver- sion In A Multiplexed System Master's Thesis Proposal	J. Dintenfass, Digital Computer Lab. Group 64 J. Dintenfass	U U	
DiVencenzo, Anthony P.	Master Of Science Thesis - MIT	1947	Constricted Arcs As Pulsed Light Sources References: A.P. DiVencenzo Computation Book #1(AC-3)	A.P. DiVencenzo	U	
Downing, John L.	Master Of Science Thesis - MIT	1957	Thin Electroluminescent Films	J.L. Downing, Lincoln Lab. Group 63	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Ely, John Omar	R-160 (Reissue Of Bachelor Of Science Thesis - MIT)	1949	Performance Of A 1024 - Position Deflection-Voltage Generator	J.O. Ely	U	
	Master Of Science Thesis - MIT	1951	A Study Of The Holding Beam In The MIT Electrostatic Storage Tube	J.O. Ely, Servomechanisms Lab.	U	
	M-1086	15 Aug 50	Master's Thesis Proposal	J.O. Ely	U	
	M-1091	Aug 50	Report #1 - Progress Report For Period 12 June To 31 August 1950	J.O. Ely	U	
	M-1140	Dec 50	Report #2 - Progress Report For Period 1 September To 27 December 1950	J.O. Ely	U	
	M-1154	Jan 51	Report #3 - Progress Report For Period 28 December 1950 To 22 January 1951	J.O. Ely	U	
	M-1179	Mar 51	Report #4 - Progress Report For Period 23 January To 12 March 1951	J.O. Ely	U	
			Reference: J.O. Ely Computation Book #7 (AC-3)			
Esakov, Daniel Aranow	Master Of Science Thesis - MIT	1953	A Comparison Of Point-Contact Transistor Flip-Flop	D.A. Esakov, AFCRC Associate @ Digital Computer Lab.	U	
	M-1860	20 Feb 53	Master's Thesis Proposal - Analysis Of Flip-Flop Circuits Using Point-Contact Transistors	D.A. Esakov	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Essigmann, Martin White	Master Of Science Thesis - MIT	1947	Photosensitive Devices As Data Conver- ters For Electronic Digital Computers	M.W. Essigmann	U	
Forrester, Jay W.	Master Of Science Thesis - MIT	1945	Hydraulic Servomechanism Developments	J.W. Forrester, Servomechanisms Lab.	U	
Foss, Frederic A.	Master Of Science Thesis - MIT	1948	Investigation Of Electronic Computer Output Circuits	F.A. Foss, Servomechanisms Lab. Group 6345	U	
		21 Jan 48	Master's Thesis Research Proposal	F.A. Foss	U	
	M-318	Mar 48	Report #3 - Progress Report For Period 28 February To 20 March 1948	F.A. Foss	U	
	M-333	Mar 48	Report #4 - Progress Report For Period 21 March To 31 March 1948	F.A. Foss	U	
	M-357	Apr 48	Report #5 - Progress Report For Period 1 April To 10 April 1948	F.A. Foss	U	
Fox, Phyllis	Master Of Science Thesis - MIT	1949	The Solution Of Power-Network Problems On Large-Scale Digital Computers	P. Fox, Thesis Student Servomechanisms Lab. Group 6345	U	
	M-785	Feb 49	Report #1 - Progress Report For Period 1 February To 14 February 1949	P. Fox, Servomechanisms Lab. Group 6345	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
	M-800	Mar 49	Report #2 - Progress Report For Period 14 February To 9 March 1949	P. Fox	U	
Frank, Werner I.	Bachelor Of Science Thesis - MIT	1953	Rectangular Hysteresis Loop Materials In A Nondestructive Read System	W.I. Frank, Digital Computer Lab. Group 62	U	
	M-1691	20 Oct 52	Bachelor's Thesis Proposal	W.I. Frank	U	
	M-1701	Oct 52	Report #1 - Progress Report For Period September And October 1952	W.I. Frank	U	
Frost, Harold Bonnell	Master Of Science Thesis - MIT	1950	Dynamic Determination Of Usable Storage Densities In Storage Tubes	H.B. Frost, Servomechanisms Lab.	U	
	M-966	12 Jan 50	Master's Thesis Proposal	H.B. Frost	U	
	M-1006	Mar 50	Report #2 - Progress Report For Period 20 February To 17 March 1950	H.B. Frost	U	
	M-1027	Apr 50	Report #3 - Progress Report For Period 20 March To 17 April 1950	H.B. Frost	U	
	Doctor Of Science Thesis - MIT	1954	Transient Changes On Oxide Cathodes	H.B. Frost, Digital Computer Lab. Group 60	U	
	M-1916		Doctor's Thesis Proposal	H.B. Frost	U	
	M-2370	Jul 53	Progress Report #1 For Period Ending 5 July 1953	H.B. Frost	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Gano, Joseph James	M-2377	Aug 53	Progress Report #2 For Period Ending 17 August 1953	H.B. Frost	U	
	M-2390	Aug 53	Progress Report #3 For Period 18 August To 28 August 1953	H.B. Frost	U	
	M-2444	Oct 53	Progress Report #4 For Period 24 August To 5 October 1953	H.B. Frost	U	
	M-2464	Oct 53	Progress Report #5 For Period 6 October To 19 October 1953	H.B. Frost	U	
	M-2513	Nov 53	Progress Report #6 For Period 19 October To 12 November 1953	H.B. Frost	U	
	M-2599	Jan 54	Progress Report #7 For Period 13 November 1953 To 4 January 1954	H.B. Frost	U	
	Master Of Science Thesis - MIT	1952	Dynamic Analysis Of Regulated D-C Supplies For Large Loads	J.J. Gano, Digital Computer Lab.	U	
	M-1395	4 Feb 52	Master's Thesis Proposal - The Dynamic Analysis Of Regulated D-C Power Supplies For Large Loads	J.J. Gano	U	
	M-1425	Mar 52	Progress Report #1 For Period 5 February To 14 March 1952	J.J. Gano	U	
	M-1439	Apr 52	Progress Report For Period 14 March To 1 April 1952	J.J. Gano	U	
	M-1471	Apr 52	Progress Report For Period 1 April To 30 April 1952	J.J. Gano	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Gates, Earl K., Jr.	Master Of Science Thesis - MIT	1954	Transformer Drive For A Coincident Current Magnetic Memory	E.K. Gates Digital Computer Lab Group 62	U	
	M-2598	5 Jan 54	Master's Thesis Proposal	E.K. Gates	U	
Gloor, Richard Detmore	Master Of Science Thesis - MIT	1955	A Semiconductor Regulated Power Supply	R.D. Gloor, Lincoln Lab. Group 63	U	
Glover, Edward Bruce	Master Of Science Thesis - MIT	1957	Development And Evaluation Of A Charac- ter Recognition System Utilizing A Gen- eral Purpose Digital Computer	E.B. Glover, Lincoln Lab. Group 63	U	
	6M-5093	22 Apr 57	Master's Thesis Proposal	E.B. Glover	U	
Gould, Robert Howard	Master Of Science Thesis - MIT	1951	Check Powers For Automatic Failure De- tection In An Electronic Digital Compu- ter	R.H. Gould, Servomechanisms Lab.	U	
	M-1048	28 May 50	Master's Thesis Proposal	R.H. Gould	U	
	M-1068	Jul 50	Report #1 - Progress Report For Period 12 June To 7 July 1950	R.H. Gould	U	
	M-1076	Aug 50	Report #2 - Progress Report For Period 10 July To 1 August 1950	R.H. Gould	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Greenwood, Tancred S.	Master Of Science Thesis - MIT	1953	The Application Of "L" Cathodes To Electron Guns	T.S. Greenwood, Digital Computer Lab. Group 60	U	
	M-1616	29 Aug 52	Master's Thesis Proposal - The Engineering Application Of Stable Emitter To Electron Guns	T.S. Greenwood	U	
	M-1706	Oct 52	Progress Report #1 For Period 10 September To 24 October 1952	T.S. Greenwood	U	
	M-1750	Dec 52	Progress Report #2 For Period 27 October To 6 December 1952	T.S. Greenwood	U	
Griffith, Paul Gene	Master Of Science Thesis - MIT	1956	The Application Of Transistors To Multi-position Selection Switches	P.G. Griffith	U	
	6M-3914	29 Sep 55	Master's Thesis Proposal	P.G. Griffith	U	
Hageman, Donald H.A.	Master Of Science Thesis - MIT	1951	A Head For Static-Reading Of Magnetic Recordings	D.H.A. Hageman, Servomechanisms Lab.	U	
	M-1151	19 Jan 51	Master's Thesis Proposal	D.H.A. Hageman	U	
	M-1197	10 Apr 51	Amendment To Master's Thesis Proposal	D.H.A. Hageman	U	
	M-1178	Mar 51	Progress Report #1 For Period 8 February To 9 March 1951	D.H.A. Hageman	U	
	M-1192	Mar 51	Progress Report #2 For Period 12 March To 30 March 1951	D.H.A. Hageman	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
	M-1205	Apr 51	Progress Report #3 For Period 2 April To 20 April 1951	D.H.A. Hageman	U	
Ham, James Milton	Doctor Of Science Thesis - MIT	1952	The Solution Of A Class Of Linear Operational Equations By Methods Of Successive Approximations	J.M. Ham	U	
Hayes, Monson H., Jr.	Master Of Science Thesis - MIT	1949	A Dual-Triode Capacitively-Coupled Flip-Flop	M.H. Hayes, Jr., Servomechanisms Lab. Group 6345	U	
	M-691	15 Nov 48	Master's Thesis Research Proposal	M.H. Hayes, Jr.	U	
	M-734	Dec 48	Report #1 - Progress Report For Period 15 November To 10 December 1948	M.H. Hayes, Jr.	U	
	M-755	Dec 48	Report #2 - Progress Report For Period 10 December To 31 December 1948	M.H. Hayes, Jr.	U	
	M-781	Mar 49	Report #3 - Progress Report For Period 31 December 1948 To 1 March 1949 Reference: M.H. Hayes, Jr. Computation Book #2 (AC-3)	M.H. Hayes, Jr.	U	
Healy, Leonard Dennis	Master Of Science Thesis - MIT	1957	Processing Stock Transactions With A Digital Computer	L.D. Healy, Lincoln Lab. Group 64	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Heart, Francis E.	Master Of Science Thesis - MIT . M-1288	1952 28 Sep 51	Applications Of Self-Checking And Self-Correcting Codes To Digital Computers Master's Thesis Proposal	F.E. Heart, Digital Computer Lab. F.E. Heart	U U	
Heien, Arnulf M.	Master Of Science Thesis - MIT M-1519	1952 9 Jun 52	A High-Speed Flip-Flop Circuit Using Junction Transistors Master's Thesis Proposal	A.M. Heien A.M. Heien	U U	
Heineck, Arthur W., Jr.	Master Of Science Thesis - MIT M-1401	1952 18 Feb 52	Regenerative Transistor Pulse Amplifiers Master's Thesis Proposal	A.W. Heineck, Jr., Digital Computer Lab. A.W. Heineck, Jr.	U U	
Heneger, Hubert Barton	Master Of Science Thesis - MIT M-2638	1954 19 Jan 54	Magnetic-Drum Writing Circuits Using Magnetic Cores Master's Thesis Proposal	H.B. Heneger, Digital Computer Lab. Group 62 H.B. Heneger	U U	
Herzfeld, Fred	Bachelor Of Science Thesis - MIT	1958	Design Of A Cryotron Computer	F. Herzfeld	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Heydt, Howard Leavenworth	Master Of Science Thesis - MIT	1948	Life-Testing Of Surfaces For Electro- static Storage Tubes	H.L. Heydt, Servomechanisms Lab. Group 6345	U	
	M-787	25 Sep 47	Master's Thesis Proposal	H.L. Heydt	U	
	M-190	Oct 47	Report #4 - Progress Report - 13 Octo- ber To 31 October 1947	H.L. Heydt	U	
	M-212	Nov 47	Report #5 - Progress Report - 3 Novem- ber To 28 November 1947	H.L. Heydt	U	
			References: H.L. Heydt Computation Book #1 (AC-3) H.L. Heydt Computation Book #2 (AC-3)			
Hoberg, George G.	Master Of Science Thesis - MIT	1948	A Trouble-Location Scheme For A Digital Electronic Computer (see co-author Blumenthal, Edwin I.)	G.G. Hoberg E.I. Blumenthal	U	
Hogan, Douglas LeRoy	Master Of Science Thesis - MIT	1954	Terminal Equipment Checking In Real- Time Computer Systems	D.L. Hogan	U	
	M-2627	15 Jan 54	Master's Thesis Proposal - An Investi- gation Of Optimum Checking Of Time- Sharing Output Equipment In Digital Computers	D.L. Hogan	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Horton, Arthur B., Jr.	Master Of Science Thesis - MIT	1948	A Capacitively-Coupled Flip-Flop	A.B. Horton, Jr., Servomechanisms Lab. Group 6345	U	
	M-798	15 Oct 47	Master's Thesis Research Proposal	A.B. Horton, Jr.	U	
	M-163	Oct 47	Report #1 - Progress Report For Period 15 October To 24 October 1947	A.B. Horton, Jr.	U	
	M-247	Dec 47	Report #3 - Progress Report For Period 7 November To 12 December 1947	A.B. Horton, Jr.	U	
			References: A.B. Horton, Jr. Computation Book #3 (AC-3)			
Horton, William Preston	Bachelor Of Science Thesis - MIT	1948	An Investigation Into The Reliability Of The Capacitively-Coupled Flip-Flop	W.P. Horton, Servomechanisms Lab. Group 6345	U	
	M-208	21 Feb 48	Bachelor's Thesis Research Proposal	W.P. Horton	U	
	M-350	Mar 48	Report #1 - Progress Report For Period 21 February To 15 March 1948	W.P. Horton	U	
	M-349	Apr 48	Report #2 - Progress Report For Period 15 March To 10 April 1948	W.P. Horton	U	
	M-446	Apr 48	Report #3 - Progress Report For Period 10 April To 22 April 1948	W.P. Horton	U	
	M-449	May 48	Report #4 - Progress Report For Period 22 April To 3 May 1948	W.P. Horton	U	
			References: W.P. Horton Computation Book #1 (AC-3)			

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Hunt, John M.	Master Of Science Thesis - MIT	1949	A Low-Speed Analogue For Analysis Of Flip-Flops	J.M. Hunt, Servomechanisms Lab. Group 6345	U	
	M-709	20 Nov 48	Master's Thesis Research Proposal	J.M. Hunt	U	
	M-756	Nov 48	Report #1 - Progress Report For Period 8 December To 31 December 1948	J.M. Hunt	U	
	M-761	Jan 49	Report #2 - Progress Report For Period 1 January To 15 January 1949	J.M. Hunt	U	
	M-767	Jan 49	Report #3 - Progress Report For Period 16 January To 31 January 1949	J.M. Hunt	U	
Irish, Frederic E.	Master Of Science Thesis - MIT	1952	The Display Of Arabic Numerals On A Cathode-Ray Tube	F.E. Irish, Digital Computer Lab.	U	
	M-1403	19 Feb 52	Master's Thesis Proposal	F.E. Irish	U	
	M-1462	Apr 52	Report #1 - Progress Report For Period 19 February To 19 April 1952	F.E. Irish	U	
Israel, David Robinson	Master Of Science Thesis - MIT	1951	The Application Of A High-Speed Digital Computer To The Present Day Air Traffic Control System	D.R. Israel, Servomechanisms Lab. Group 6673	U	
	M-2041	28 Feb 50	Master's Thesis Proposal	D.R. Israel	U	
	M-2055	Jun 50	Report #1 - Progress Report Through 10 June 1950	D.R. Israel	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
	M-2058	Jun 50	Report #2 - Progress Report For Period 10 June To 30 June 1950	D.R. Israel	U	
	M-2072	Oct 50	Report #3 - Progress Report For Period 30 June To 21 July, And 20 September To 13 October 1950 References: R-188, "Air Traffic Control", dated 8 June 1950 (AC-10)	D.R. Israel	U	
Jacobowitz, Herman	Master Of Science Thesis - MIT	1952	Effects Of Ions In The Electrostatic Storage Tubes	H. Jacobowitz, Digital Computer Lab.	U	
	M-1491	22 May 52	Master's Thesis Proposal	H. Jacobowitz	U	
	M-1544	Jul 52	Report #1 - Progress Report For Period 1 June To 1 July 1952 References: H. Jacobowitz Computation Book #2 (AC-3)	H. Jacobowitz	U	
Jacobs, John F.	Master Of Science Thesis - MIT	1952	A High-Speed Counter Employing Transistors	J.F. Jacobs, Digital Computer Lab.	U	
	M-1353	3 Dec 51	Master's Thesis Proposal	J.F. Jacobs	U	
	M-1400	6 Mar 52	Stabilized Transistor as A Four Terminal Non-Linear Network	J.F. Jacobs	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Jedynak, Leo	Master Of Science Thesis - MIT 6M-3984	1956 9 Nov 55	Circuit Application Of The Avalanche Phenomenon In Junction Transistors Master's Thesis Proposal	L. Jedynak	U	
Johnston, Ralph Carlton	Electrical Engineering Thesis - MIT 6M-4837	1958 26 Dec 56	Transient Response Of Drift Transistors Engineer's Thesis Proposal	R.C. Johnston, Lincoln Lab. Group 63	U	
Jones, John L.	Master Of Science Thesis - MIT	1954	A Survey Of Automatic Coding Techniques For Digital Computers	J.L. Jones	U	
Jones, Nolan T.	Master Of Science Thesis - MIT M-1738	1954 3 Dec 52	Minority Carrier Storage In Diodes And Transistors Master's Thesis Proposal - Hole Storage In Point Contact Transistors And Germanium Diodes	N.T. Jones, Digital Computer Lab. Group 62	U	
Katz, Abraham	Master Of Science Thesis - MIT M-1213	1951 15 May 51	Computer Program Synthesis Based On Statistical Communication Theory Master's Thesis Proposal - The Linear Filtering Of A Sample Quantized Signal Reference: A. Katz Computation Book #1 (AC-3)	A. Katz, Servomechanisms Lab.	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Kirk, Charles T., Jr.	Master Of Science Thesis - MIT M-2625	1955 14 Jan 54	Investigation Of Semiconductor Devices As Gated Amplifiers For Digital Computers Master's Thesis Proposal	C.T. Kirk, Jr. C.T. Kirk, Jr.	U U	
Kleinrock, Leonard	Master Of Science Thesis - MIT	1958	Optical Data-Processing With Thin Mag- netic Films	L. Kleinrock, Lincoln Lab. Group 63	U	
Konkle, Kenneth Howard	Master Of Science Thesis - MIT 6M-4155	1957 10 Feb 56	Hole Storage In A Grounded-Emitter Transistor Circuit Master's Thesis Proposal - Hole Storage In A Saturated Ground-Emitter Transis- tor Circuit	K.H. Konkle, Lincoln Lab. Group 63 K.H. Konkle	U U	
Lampke, George	Bachelor Of Science Thesis - MIT	1954	A Carry-Matrix Counter	G. Lampke	U	
Lephakis, Achilles J.	Master Of Science Thesis - MIT	1949	Storage Of Pulse Coded Information	A.J. Lephakis, Thesis Student, Servomechanisms Lab.	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Linvill, William Kirby	Doctor Of Science Thesis - MIT	1949	Analysis And Design Of Sampled-Data Control Systems	W.K. Linvill, Servomechanisms Lab. Group 6345	U	
Litsios, Socrates	Master Of Science Thesis - MIT	1959	Investigation Of A Target Assignment Problem	S. Litsios	U	
MacDonald, James Ross	Master Of Science Thesis - MIT	1947	A Storage Tube Dielectric Surface For Secondary Electron Control Reference: J.R. MacDonald Computation Book #4 (AC-3)	J.R. MacDonald, Servomechanisms Lab.	U	
Maglio Robert Anthony	Master Of Science Thesis - MIT	1954	A Differential Thermal Analysis Study Of Synthesized Magnesium Ferrite, Manganese Ferrite, And Magnesium, Man- ganese Ferrites	R.B. Maglio, Digital Computer Lab. Group 63	U	
Martin, Lewis B.	Master Of Science Thesis - MIT	1955	Studies Of The Typotron-Tube Perfor- mance Under Simulated Operation Condi- tions	L.B. Martin, Lincoln Lab. Group 65	U	
	6M-3543	31 Jan 55	Master's Thesis Proposal	L.B. Martin	U	
	6M-3603	Apr 55	Report No. 1 - Progress Report For Pe- riod 31 January To 18 April 1955	L.B. Martin	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Massard, Robert L.	Master Of Science Thesis - MIT	1950	The Pulse Response And Testing Of Wide- band Networks	R.L. Massard, Servomechanisms Lab.	U	
	M-896	1949	Master's Thesis Research Proposal - Pulse Response And Testing Of Wideband Coupling Networks	R.L. Massard	U	
	M-905	Sep 49	Report #1 - Progress Report For Period 13 June To 9 September 1949	R.L. Massard	U	
McCusker, Joseph H.	Master Of Science Thesis - MIT	1949	Measurements On Electron Beams In Stor- age Tubes	J.H. McCusker, Servomechanisms Lab. Group 6345	U	
	M-847	11 Mar 49	Master's Thesis Proposal - Velocity And Current-Density Distribution In The Electron Beams Of Holding Guns And High- Velocity Electron Guns At The Storage Surface Of An Electrostatic Storage Tube References: J.H. McCusker, Computation Books #1, 7, 8, & 9 (AC-3)	J.H. McCusker	U	
McVicar, Kenneth Earl	Master Of Science Thesis - MIT	1950	An Investigation Of The Effect Of Angle Of Beam Incidence And Beam Deflection On Electrostatic Storage Tube Perform- ance	K.E. McVicar, Servomechanisms Lab.	U	
	M-971	23 Jan 50	Master's Thesis Proposal - An Investi- gation Of The Effect Of The Angle Of Beam Incidence On Electrostatic Storage Tube Performance	K.E. McVicar	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
	M-995	Feb 50	Report #1 - Progress Report For The Period 7 February To 24 February 1950	K.E. McVicar	U	
	M-1008	Apr 50	Report #2 - Progress Report For The Period 25 February To 17 April 1950	K.E. McVicar	U	
	M-1015	Mar 50	Report #3 - Progress Report For The Period 17 March To 31 March 1950	K.E. McVicar	U	
	M-1026	Apr 50	Report #4 - Progress Report For The Period 1 April To 14 April 1950	K.E. McVicar	U	
	M-1037	May 50	Report #5 - Progress Report For The Period 15 April To 1 May 1950	K.E. McVicar	U	
	M-1042	May 50	Report #6 - Progress Report For The Period 2 May To 13 May 1950	K.E. McVicar	U	
	M-1049	May 50	Report #7 - Progress Report For The Period 15 May To 29 May 1950	K.E. McVicar	U	
	M-1054	Jun 50	Report #8 - Progress Report For The Period 30 May To 9 June 1950	K.E. McVicar	U	
Metzger, Donald D.	Master Of Science Thesis - MIT	1958	Process Control For Thin Magnetic Vacuum Deposition	D.D. Metzger, Lincoln Lab.	U	
Morriess, Benham E., Jr.	Master Of Science Thesis - MIT	1952	Department Store Information Processing By Digital Computer Techniques	B.E. Morriess, Jr., Digital Computer Lab.	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
	M-1291	18 Dec 51	Master's Thesis Research Proposal - The Application Of High-Speed Information Processing Techniques In A Retail Store	B.E. Morriss, Jr.	U	
Neumann, Donald H.	Master Of Science Thesis - MIT	1954	A Comparison Between Numerical And Differential Analyzer Methods Of Solving Differential Equations	D.H. Neumann, Digital Computer Lab. Group 61	U	
	M-2399	31 Aug 53	Master's Thesis Proposal	D.H. Neumann	U	
Nolan, John F.	Master Of Science Thesis - MIT	1953	Analytical Differentiation On A Digital Computer	J.F. Nolan	U	
Nolan, William J., Jr.	Master Of Science Thesis - MIT	1948	Design And Testing Of An Electrostatic Storage Tube	W.J. Nolan, Jr., Servomechanisms Lab. Group 6345	U	
	M-162	17 Oct 47	Master's Thesis Research Proposal	W.J. Nolan, Jr.	U	
	M-184	Oct 47	Report #2 - Progress Report For Period 11 October To 25 October 1947	W.J. Nolan, Jr.	U	
	M-195	Nov 47	Report #3 - Progress Report For Period 27 October To 8 November 1947	W.J. Nolan, Jr.	U	
	M-248	Dec 47	Report #4 - Progress Report For Period 10 November To 13 December 1947	W.J. Nolan, Jr.	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
O'Brien, John Augustus	Master of Science Thesis - MIT	1951	Electronic Selection and Control of Read-Record Heads of Magnetic Tape Units	J. A. O'Brien Servomechanisms Lab	U	
	M-1162	8 Feb 51	Master's Thesis Research Proposal	J. A. O'Brien	U	
	M-1182	Mar 51	Report #1 - Progress Report for Period 8 February to 8 March 1951	J. A. O'Brien	U	
	M-1200	Apr 51	Report #2 - Progress Report for Period 9 March to 12 April 1951	J. A. O'Brien	U	
Olsen, Kenneth H.	Master of Science Thesis - MIT	1952	A Magnetic Matrix Switch and Its Incorporation into a Coincident-Current Memory	K. H. Olsen Servomechanisms Lab	U	
	M-1282	21 Sep 51	Master's Thesis Research Proposal - A Multi-Position Magnetic Switch and its Incorporation into a Magnetic Memory	K. H. Olsen	U	
Orden, Alexander	Doctor of Philosophy Thesis - MIT	1950	Error Correction in Orbital Flight	A. Orden Servomechanisms Lab Group 6673	U	
Papian, William M. /	Master of Science Thesis - MIT Report R-192	8 Sep 1950	A Coincident-Current Magnetic Memory Unit	W. A. Papian Servomechanisms Lab	U	
Paterniti, Anthony R.	Master of Science Thesis - MIT	1951	Experimental Design and Analysis of a Sampled-Error-Data Servomechanism	A. R. Paterniti	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Perlis, Alan J.	Doctor Of Philosophy Thesis - MIT	1950	On Integral Equations - Their Solution By Iteration And Analytic Continuation	A.J. Perlis, Servomechanisms Lab.	U	
Petersen, Marvin Eugene	Master Of Science Thesis - MIT	1957	Evaporated Microstrip Transmission Lines	M.E. Petersen, Lincoln Lab. Group 63	U	
Phaff, Robert J.	Master Of Science Thesis - MIT	1952	A Magnetic Flip-Flop	R.J. Phaff, Digital Computer Lab	U	
Pierson, James E.	Master Of Science Thesis - MIT	1949	The Study Of Non-Linear Servomechanisms With The Aid Of An Automatic Digital Computer	J.E. Pierson, Servomechanisms Lab.	U	
	M-845	10 May 49	Master's Thesis Research Proposal - A Method For The Study Of Non-Linear Servomechanisms With The Aid Of An Automatic Digital Computer	J.E. Pierson	U	
	M-814	Mar 49	Report #1 - Progress Report For Period 8 February To 8 March 1949	J.E. Pierson	U	
	M-838	Apr 49	Report #2 - Progress Report For Period 8 March To 12 April 1949	J.E. Pierson	U	
	M-857	May 49	Report #3 - Progress Report For Period 21 April To 25 May 1949	J.E. Pierson	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
	M-865	Jun 49	Report # 4 - Progress Report For Period 25 May To 21 June 1949	J.E. Pierson	U	
	M-876	Jul 49	Report #5 - Progress Report For Period 22 June To 11 July 1949	J.E. Pierson	U	
	M-885	Aug 49	Report #6 - Progress Report For Period 12 July To 3 August 1949	J.E. Pierson	U	
Platt, Herbert Jacob	Master Of Science Thesis - MIT	1952	A System For Testing MIT Electrostatic Storage Tubes	H.J. Platt, Digital Computer Lab.	U	
	M-1352	12 Dec 51	Master's Thesis Proposal	H.J. Platt	U	
	M-1409	Feb 52	Report #1 - Progress Report For Period 15 January To 22 February 1952	H.J. Platt	U	
	M-1446	Mar 52	Report #2 - Progress Report For Period 23 February To 31 March 1952 References: H.J. Platt Computation Books #2 & 3 (AC-3)	H.J. Platt	U	
Pomper, Victor H.	Master Of Science Thesis - MIT	1950	Digital Subcontractor And Decoder For A Servomechanism	V.H. Pomper	U	
Pugh, Alexander L.	Master Of Science Thesis - MIT	1953	Magnetic Amplifiers With High Carrier Frequency	A.L. Pugh	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Quick, Raymond Campbell	Master Of Science Thesis - MIT	1950	Experimental Investigation Of Sampled- Data Control Systems	R.C. Quick	U	
Raffel, Jack E.	Master Of Science Thesis - MIT	1954	Switch For Register Selection On A Magnetic-Core Memory	J.E. Raffel, Digital Computer Lab. Group 62	U	
	M-2384	31 Aug 53	Master's Thesis Proposal - A Large Planar Switch For Register Selection In A Magnetic-Core Memory	J.E. Raffel	U	
Read, Richard Willard	Master Of Science Thesis - MIT	1951	Initial Testing Of A Computer Electro- static Storage System	R.W. Read, Servomechanisms Lab.	U	
	M-974	23 Jan 50	Master's Thesis Proposal - Installation And Testing Of A Computer Electrostatic Storage System	R.W. Read	U	
	M-990	Feb 50	Report #1 - Progress Report For Period 18 January To 17 February 1950	R.W. Read	U	
	M-1007	Mar 50	Report #2 - Progress Report For Period 20 February To 17 March 1950	R.W. Read	U	
	M-1033	Apr 50	Report #3 - Progress Report For Period 17 March To 30 April 1950	R.W. Read	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Reich, Edgar	R-165 (Re-issue Of Master Of Science Thesis - MIT)	15 Apr 49	The Convergence Of The Gauss-Seidel Iterative Method	E. Reich Servomechanisms Lab.	U	
Remis, Basil Richard	Master Of Science Thesis - MIT	1953	Precise Phase Measurements Up To 20 Megacycles Per Second	B.R. Remis, Digital Computer Lab. Group 64	U	
	M-1749	7 May 52	Master's Thesis Proposal - Precise Determination Of Phase At 10 Megacycles, And Presentation Of A Curve Of Phase Response Versus Frequency Reference: B.R. Remis Computation Book #2 (AC-3)	B.R. Remis	U	
Rich, Edwin S.	Master Of Science Thesis - MIT	1948	High Speed Pulse Recording On Magnetic Tape	E.S. Rich, Servomechanisms Lab. Group 6345	U	
	M-521	Dec 47	Report #3 - Progress Report For Period 22 November To 31 December 1947	E.S. Rich	U	
	M-522	Jan 48	Report #4 - Progress Report For Period 1 January To 21 January 1948	E.S. Rich	U	
	M-523	Feb 48	Report #5 - Progress Report For Period 22 January To 13 February 1948	E.S. Rich	U	
	M-271	Mar 48	Report #6 - Progress Report For Period 14 February To 6 March 1948	E.S. Rich	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
	M-317	Mar 48	Report #7 - Progress Report For Period 8 March To 19 March 1948	E.S. Rich	U	
Ricketts, James B. Jr.	Bachelor Of Science Thesis - MIT	1953	A Study Of Single-Pulse Ferrite-Core Stepping Registers	J.B. Ricketts, Jr., Student Associate Digital Computer Lab. Group 60	U	
Roberts, Alan Jay	Master Of Science Thesis - MIT	1953	A Synchronized Direct-Reading Pulse Voltmeter	A.J. Roberts, Digital Computer Lab. Group 64	U	
Robinson, Richard D.	Master Of Science Thesis - MIT	1952	Design Of Low-Pulse Transformers Using Ferrite Cores	R.D. Robinson, Digital Computer Lab. Group 62	U	
	M-1477	5 May 52	Master's Thesis Proposal	R.D. Robinson	U	
Roess, Theodore L.	Master Of Science Thesis - MIT	1952	The Index Marking Of A Magnetic Tape	T.L. Roess, Servomechanisms Lab.	U	
	M-1246	17 Jul 51	Master's Thesis Research Proposal	T.L. Roess	U	
	M-1277	Sep 51	Report #1 - Progress Report For Period 17 July To 14 September 1951	T.L. Roess	U	
	M-1332	Oct 51	Report #2 - Progress Report For Period 15 September To 19 October 1951	T.L. Roess	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Rossbach, Janice	Master Of Science Thesis - MIT	1951	The Numerical Solution Of A Modified Heat Equation	J. Rossbach, Servomechanisms Lab.	U	
Rotenburg, Manual S.	Bachelor Of Science Thesis - MIT	1952	On The Numerical Solution Of The Fredholm Integral Equation Of The Second Kind With Particular Reference To Legendre's Function In Integral Form Using A High-Speed Digital Computer	M.S. Rotenburg, Student Associate Digital Computer Lab.	U	
Rowe, Harrison E.	Master Of Science Thesis - MIT	1950	Secondary Emission From Baryllium Surfaces At Low Incident Electron Energies	H.E. Rowe, Servomechanisms Lab.	U	
	M-873	13 Jun 49	Master's Thesis Proposal	H.E. Rowe	U	
Rowland, Chester A. Jr.	Master Of Science Thesis - MIT	1950	An Investigation Of The Possibilities For Improving Pentode-Gate-Tube Circuits	C.A. Rowland, Jr., Servomechanisms Lab.	U	
	M-849	3 May 49	Master's Thesis Research Proposal	C.A. Rowland, Jr.	U	
Salzer, John Michael	Doctor Of Science Thesis - MIT	1951	Treatment Of Digital Control Systems And Numerical Processes In The Frequency Domain (Volumes I And II)	J.M. Salzer, Servomechanisms Lab. Group 6673	U	
	E-2017	5 Dec 50	Doctor's Thesis Proposal	J.M. Salzer	U	
	E-2017-1	16 Apr 51	Doctor's Thesis Proposal	J.M. Salzer	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Sard, Eugene W.	Master Of Science Thesis - MIT	1948	Conversion Of Binary Pulse Code To Voltage Amplifier	E.W. Sard, Servomechanisms Lab. Group 6345	U	
	M-348	6 Apr 48	Master's Thesis Research Proposal	E.W. Sard	U	
Sarles, Frederick W. Jr.	Master Of Science Thesis - MIT	1955	A Transistorized Amplifier-Discriminator For Core Memory Output	F.W. Sarles, Jr.	U	
	6M-3417	7 Mar 55	Master's Thesis Proposal - A Transistor- ized Amplifier-Discriminator For Core Memory Output Sensing	F.W. Sarles, Jr.	U	
Schultz, Robert T.	Bachelor Of Science Thesis - MIT	1953	Transistors As Applied To Gating	R.T. Schultz, Student Associate Digital Computer Lab. Group 62	U	
Seward, Harold H.	Master Of Science Thesis - MIT	1954	Information Sorting In The Application Of Electronic Digital Computers To Business Operations	H.H. Seward, Digital Computer Lab. Group 61	U	
	M-2506	9 Nov 53	Master's Thesis Proposal	H.H. Seward	U	
Shortell, Albert V. Jr.	Master Of Science Thesis - MIT	1956	Cryotron Multiposition Switches	A.V. Shortell, Jr., Lincoln Lab. Group 63	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Silva, Leroy. Francis	Master Of Science Thesis - MIT	1954	Temperature Behavior Of Ferrites	L.F. Silva	U	
Sims, Robert C.	Master Of Science Thesis - MIT	1952	An Investigation Of Magnetic-Core Step- ping Registers For Digital Computers	R.C. Sims, Digital Computer Lab.	U	
	M-1429	19 Mar 52	Master's Thesis Proposal - A Binary Adder Using Magnetic-Core Flip-Flops	R.C. Sims	U	
Sisson, Roger Lee	Master Of Science Thesis - MIT	1950	Devices For Conversion Between Analog Quantities And Binary Pulse-Coded Numbers	R.L. Sisson, A.K. Susskind, Servomechanisms Lab.	U	
	M-890	26 Aug 49	Master's Thesis Research Proposal - Conversion Devices For A Digital Computer	R.L. Sisson A.K. Susskind	U	
	M-904	Oct 49	Report #1 - Progress Report For Period September 19 To October 10, 1949	R.L. Sisson	U	
	M-921	Oct 49	Report #2 - Progress Report For Period October 11 To October 31, 1949	R.L. Sisson	U	
	M-932	Nov 49	Report #3 - Progress Report For Period 31 October To 25 November 1949	R.L. Sisson	U	
	M-898	Sep 49	Report #1 - Progress Report For Period 5 August To 6 September 1949	A.K. Susskind	U	
	M-906	Oct 49	Report #2 - Progress Report For Period 6 September To 10 October 1949	A.K. Susskind	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
	M-920	Nov 49	Report #3 - Progress Report For Period 10 October To 1 November 1949	A.K. Susskind	U	
	M-933	Nov 49	Report #4 - Progress Report For Period 1 November To 28 November 1949 References: R.L. Sisson Computation Books #4 & 5 (AC-3) A.K. Susskind Computation Book #2 (AC-3)	A.K. Susskind	U	
Sittler, Robert Warren	Master Of Science Thesis - MIT	1952	Analysis Of Errors In Certain Sampled- Data Control Systems	R.W. Sittler, Digital Computer Lab. Group 61	U	
Slagle, James R.	Master Of Science Thesis - MIT	1957	Investigation Into The Convergence Of Multiplicative Processes	J.R. Slagle, Lincoln Lab. Group 64	U	
Stein, Alexander M.	Master Of Science Thesis - MIT	1952	Current Distribution In The High-Velocity Beam In The MIT Electrostatic Storage Tube	A.M. Stein, Digital Computer Lab.	U	
	M-1362	11 Jan 52	Master's Thesis Proposal	A.M. Stein	U	
	M-1414	Mar 52	Report #1 - Progress Report For Period January 15 To March 1, 1952	A.M. Stein	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
	M-1418	Apr 52	Report #2 - Progress Report For Period 1 March To 15 April 1952 References: A.M. Stein Computation Books #1 & 2 (AC-3)	A.M. Stein	U	
Strait, Peggy Tang	Master Of Science Thesis - MIT	1957	A Set Theoretical Treatment Of The Problem Of Measure	P.T. Strait, Lincoln Lab. Group 67	U	
Sumner, George C.	Master Of Science Thesis - MIT	1948	Trouble Location In A Large-Scale Electronic Digital Computer	G.C. Sumner, Servomechanisms Lab. Group 6345	U	
	M-512	6 Jul 48	Master's Thesis Research Proposal	G.C. Sumner	U	
	M-584	Aug 48	Report #1 - Progress Report For Period 6 July To 10 August 1948	G.C. Sumner	U	
	M-593	Aug 48	Report #2 - Progress Report For Period 10 August To 20 August 1948	G.C. Sumner	U	
	M-608	Aug 48	Report #3 - Progress Report For Period 20 August To 30 August 1948 Reference: G.C. Sumner Computation Book #2 (AC-3)	G.C. Sumner	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Susskind, Alfred Kriss	Master Of Science Thesis - MIT	1950	Devices For Conversion Between Analog Quantities And Binary Pulse-Coded Numbers (See Co-Author Sisson, Roger Lee)	A.K. Susskind, R.L. Sisson	U	
Tancrell, Roger Henry	Master Of Science Thesis - MIT	1958	Thin Ferromagnetic Films As Function Table Elements	R.H. Tancrell	U	
Tandy, Peter Chase	Master Of Science Thesis - MIT	1955	Investigation Of Factors Affecting Life Of Charactron Tubes	P.C. Tandy, Lincoln Lab. Group 65	U	
	6M-3522	1 Feb 55	Master's Thesis Proposal	P.C. Tandy	U	
	6M-3604	Apr 55	Report #1 - Progress Report For Period 1 February To 12 April 1955	P.C. Tandy	U	
Tanguay, Armand R.	Master Of Science Thesis - MIT	1951	Change Stability Of The MIT Storage Tube	A.R. Tanguay, Servomechanisms Lab.	U	
	M-1218	16 May 51	Master's Thesis Proposal - Storage Stability Characteristics Of The MIT Electrostatic Storage Tube	A.R. Tanguay	U	
	M-1242	Jul 51	Report #1 - Progress Report For Period 11 June To 9 July 1951	A.R. Tanguay	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
	M-1253	Aug 51	Report #2 - Progress Report For Period 9 July To 1 August 1951 Reference: A.R. Tanguay Computation Book #2 (AC-3)	A.R. Tanguay	U	
Temme, Donald H.	Master Of Science Thesis - MIT	1951	A Ferroelectric Amplifier And Memory Circuit As Duals Of Magnetic Devices	D.H. Temme	U	
Turk, Charles William	Master Of Science Thesis - MIT	1956	Normalized Switching Functions Of Cryotrons	C.W. Turk	U	
Walquist, Robert Louis	Master Of Science Thesis - MIT	1951	Analysis And Design Of A Digital-To- Analog Decoder	R.L. Walquist, Servomechanisms Lab. Group 6673	U	
	M-1098	19 Sep 50	Master's Thesis Proposal- Analysis And Design Of A Digital To Voltage Decoder	R.L. Walquist	U	
Wetherell, Merle Lee	Master Of Science Thesis - MIT	1958	Cryotron Look-Up Tables And Applications In Binary Arithmetic	M.L. Wetherell	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
Widrowitz, Bernard	Master Of Science Thesis - MIT	1953	An RF Readout System For A Coincident- Current Magnetic-Core Memory	B. Widrowitz, Digital Computer Lab. Group 62	U	
	M-1767	19 Dec 52	Master's Thesis Proposal	B. Widrowitz	U	
Young, Guy Alba	Master Of Science Thesis - MIT	1954	Digital Techniques For Sorting By Areas In A Plane	G.A. Young, Digital Computer Lab. Group 61	U	
	M-2425	24 Sep 53	Master's Thesis Proposal	G.A. Young	U	
Zacharias, Alfred	Master Of Science Thesis - MIT	1955	Studies For High-Speed Cathode-Ray Tube Display	A. Zacharias, Lincoln Lab. Group 65	U	
	6M-3311	18 Jan 55	Master's Thesis Proposal - An Investiga- tion Of CRT Cathodes	A. Zacharias	U	
Zraket, Charles Anthony	Master Of Science Thesis - MIT	1953	Test Checking Of A Magnetic-Drum Buffer- Storage System	C.A. Zraket, Digital Computer Lab. Group 61	U	
	M-1615	29 Aug 52	Master's Thesis Proposal	C.A. Zraket	U	
	M-1699	Oct 52	Report #1 - Progress Report For Period 22 September To 24 October 1952	C.A. Zraket	U	

ARCHIVES INVENTORY

SUBJECT	IDENTIFICATION	DATE	TITLE	AUTHOR	CLS.	COPY NO.
	M-1837	Jan 53	Report #2 - Progress Report For Period 24 October 1952 To 30 January 1953	C.A. Zraket	U	
	M-2132	May 53	Report #3 - Progress Report For Period 1 February To 4 May 1953	C.A. Zraket	U	